



Technische Universität Berlin



Student assistant (40 hours per month)

Faculty VI - Planning Building Environment, Institut für Landschaftsarchitektur und Umweltplanung - FG Geoinformation in der Umweltplanung

Reference number: VI-SB-0080-2025 (starting at 01/11/25 / closing date for applications 16/10/25)

Your responsibility:

Support in the project "SAVE Water" for the further development of the rSTEMMUS-SCOPE model for simulating soil-plant-water interactions, specifically through:

- Adapting the model to run under GNU Octave (without MATLAB license) (50%)
- Testing and validating model runs across different platforms (especially Linux environments, clusters) (15%)
- Ensuring reproducibility of simulation results (15%)
- Supporting code documentation and version control (20%)

Your profile:

Mandatory Criteria

- Experience with R, Python, and/or MATLAB
- Basic knowledge of working with Jupyter Notebooks
- Proficient in working with Linux systems
- Technical understanding and initial experience with model-based environmental research
- Good knowledge of German and/or English required; willingness to acquire the missing language skills

Desirable Criteria

- Experience with GNU Octave or the MATLAB Runtime Environment
- Knowledge of version control using Git/GitHub
- Experience running code on servers or clusters
- Initial experience in numerical modeling or scientific simulations

How to apply:

Party responsible for specialist area / point of contact for job posting: Prof. Dr. Christine Wallis

Period of employment: 01.11.2025 - 31.05.2028

Apply to: sekretariat@geoinformation.tu-berlin.de

Please submit your written application including cover letter, your CV, certificate of enrollment, and where applicable, current transcript of records, with the reference number to the place of employment indicated above.

In the interest of promoting equality opportunities for men and women, applications from women with suitable qualifications are particularly encouraged.

The vacancy is also available on the internet at:
<https://www.jobs.tu-berlin.de>

